

08/727,637, filed October 16, 1996, and issued as U.S. patent no. 5,935,781, which is a national phase application of international application no. PCT/CA95/00240, filed April 26, 1995.--

In the Claims:

Kindly cancel claims 2 and 16.

Kindly amend the claims as follows:

1. (Amended) A method of creating a prognosis protocol for a patient diagnosed with a neurological disease, said method comprising:

- a) identifying a patient already diagnosed with said neurological disease;
- b) determining the *apoE* allele load of said patient by genotyping or phenotyping, said phenotyping including characterizing ApoE protein isoform; and
- c) converting the data obtained from step b) into a prognostic protocol, wherein the presence of at least one *apoE4* allele or at least one ApoE4 protein isoform is indicative of a poor patient outcome or decreased efficacy of a therapeutic.

3. (Amended) The method of claim 1, wherein said method further comprises obtaining a patient profile.

6. (Amended) The method of claim 4, wherein said dietary deficiency is a congenital defect in amino acid metabolism.

8. (Amended) The method of claim 1, wherein said patient is diagnosed with fragile X syndrome.

9. (Amended) The method of claim 1, wherein said patient is diagnosed with a neurological disease selected from the group consisting of Alzheimer's disease,